United States Patent	r and Trademark Office	
JAN 0 2 2009 JAN 0 2 2009 FLYNN THIEL BOUTELL & TANIS, P.C. 2026 RAMBLING ROAD KALAMAZOO, MI 49008-1631	U.S. Patent and Tra Address: COMMISS P.O. Box	SIONER FOR PATENTS 1450 a, Virginia 22313-1450
	HJ PMG GMSORAKO	COAL

Application No.:	10/551,675	Date Mailed:	12/12/2008
First Named Inventor:	Date, Takashi,	Examiner:	HESS, BRUCE H
Attorney Docket No.:	4364.P0013US H.Tanaka	Art Unit:	1794
Confirmation No.:	5519	Filing Date:	09/29/2005

Please find attached an Office communication concerning this application or proceeding.



Commissioner for Patents

PTO-90c (Rev.08-06)

NOTICE OF IMPROPER REQUEST FOR				cation No. 61,675	Applicant(s) DATE ET AL.			
NOTICE OF IMPROPER REQUEST FORE CONTINUED EXAMINATION (RCD)			4	11,070	Art Unit	Date Mailed:		
	C	ONTINUED EXAMINATION (KOE)	4000	•	1700		
			JAN 0 2	2003 W				
		· ·	P. C.					
	The request for continued examination (RCE) under 37 CFR 1.114 filed on <u>01 December, 2008</u> is improper for reason(s) indicated below:							
1.	Continued examination under 37 CFR 1.114 does not apply to an application for a design patent. Applicant may wish to consider filing a continuing application under 37 CFR 1.53(b) or a CPA under 37 CFR 1.53(d). An RCE cannot be treated as a CPA.							
2.		Continued examination under 37 CFR 1.114 does not apply to an application that was filed before June 8, 1995. Applicant may wish to consider filing a continuing application under 37 CFR 1.53(b).						
3.	Continued examination under 37 CFR 1.114 does not apply to an application unless prosecution in the application is closed. If the RCE was accompanied by a reply to a non-final Office action, the reply will be entered and considered under 37 CFR 1.111. If the RCE was <u>not</u> accompanied by a reply, the time period set forth in the last Office action continues to run from the mailing date of that action.							
4.	The request was not filed before payment of the issue fee, and no petition under 37 CFR 1.313 was granted. If this application has not yet issued as a patent, applicant may wish to consider filing either a petition under 37 CFR 1.313 to withdraw this application from issue, or a continuing application under 37 CFR 1.53(b).							
5.		The request was not filed before abandonment of the application. The application was abandoned, or proceedings terminated on Applicant may wish to consider filing a petition under 37 CFR 1.137 to revive this abandoned application.						
6.	The request was not accompanied by the fee set forth in 37 CFR 1.17(e) as required by 37 CFR 1.114. Since the application is not under appeal, the time period set forth in the final Office action or notice of allowance continues to run from the mailing date of that action or notice.						notice of	
7.	☑ The request was not accompanied by a submission as required by 37 CFR 1.114. Since the application is not under appeal, the time period set forth in the final Office action or notice of allowance continues to run from the mailing date of that action or notice.							
Note: A continued prosecution application (CPA) under 37 CFR 1.53(d) <u>cannot</u> be filed in a utility or plant application. A CPA filed in a utility or plant application that has a filing date on or after June 8, 1995 will be treated as an RCE under 37 CFR 1.114. The request for a CPA in the instant application, however, has been treated as an improper RCE for the reason(s) indicated above.								
A copy of this Notice <u>MUST</u> be returned with the reply.								
Direct any questions concerning this notice to								
//Angela E. Jones//, Technology Center 1700								
Telephone Number: <u>571-272-1022</u>								
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IN THE U.S. PATENT AND TRADEMARK OFFICE

"Express Mail" Mailing Label No.: EM 212 650 675 US

Date of Mailing: December 1, 2008

Applicants: Takashi DATE et al

Title: THERMALLY-SENSITIVE RECORDING MATERIAL

Serial No.: 10/551 675 Group: 1794

Confirmation No.: 5519

Filed: September 29, 2005 Examiner: Hess

International Application No.: PCT/JP2004/004667

International Filing Date : March 31, 2004

Atty. Docket No.: 4364.P0013US



Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

MAILED TO PATENT OFFICE DATE DEC = 1 2008

EXPRESS MAILING CERTIFICATE

Sir:

I hereby certify that the attached paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FLYNN, THIEL, BOUTELL & TANIS, P.C.

Date: December 1, 2008

Documents attached: RCE Application

Transmittal dated December 1, 2008 including enclosures listed thereon

Telephone: (269) 381-1156

191.05/05



IN THE U.S. PATENT AND TRADEMARK OFFICE Express Mail Label No. EM 212 650 675 US Attorney Docket No.: 4364.P0013US

December 1, 2008

Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450



REQUEST FOR CONTINUED EXAMINATION (RCE) TRANSMITTAL

Sir:

This is a Request for Continued Examination (RCE) under 37 CFR \$1.114 of the below-identified pending utility or plant application:

Serial No.: 10/551 675

Filing Date: September 29, 2005

Confirmation No.: 5519

Title: THERMALLY-SENSITIVE RECORDING MATERIAL

Inventors: (1) Takashi DATE, (2) Junpei NATSUI,

(3) Yoshimi MIDORIKAWA, (4) Tatsuo NAGAI

and (5) Yoshihide KIMURA

Group: 1794

Examiner: Hess

Please direct correspondence to the address associated with the following customer number:

23474 FLYNN, THIEL, BOUTELL & TANIS, P.C. (FIRM)

- 1. Submission required under 37 CFR §1.114
 - a. [] An amendment under 37 CFR \$1.116 previously filed on was not entered. Please enter before calculating the filing fee.
 - b. [X] Enclosed is/are:

 - ii. [X] Affidavit(s)/Declaration(s)
 - iii. [] Information Disclosure Statement (IDS)
 - iv. [X] Acknowledgment Post Card
 - v. [X] Letter to Examiner.
- 2. Miscellaneous
 - a. [] Small entity status is claimed. See 37 CFR 1.27.
 - b. [] _____

- 3. Fees (The RCE fee under 37 CFR §1.17(e) is required by 37 CFR §1.114 when the RCE is filed).
 - a. [X] The RCE fee and any filing fee for claims are calculated as shown below, after entering any amendments which this transmittal indicates are to be entered prior to such calculation:

	No.	No.	(X)	RATE	()	
For	Filed	Extra	LG Entity		SM Entity	Fee
Basic RCE Fee			\$810.00		\$405.00	\$810.00
Total Claims	(9 - 20	0 = 0	x \$ 52.00		x \$ 26.00	
Indep. Claims	(4 - 4	1 = 0)	x 220.00		x \$110.00	
[] Multiple D	ep. Clain	า	+ \$390.00		+ \$195.00	
* * * TOTAL FILING FEE * * *						\$ 810.00

- b. [X] Pursuant to 37 CFR §1.136(a), please extend the shortened period for response by one month. The extension fee is: \$130.00
- d. [X] A check for \$940.00 is enclosed to cover fees.
- e. [] Please charge my Deposit Account No. 06-1382 in the amount of \$
- f. [X] The Commissioner is hereby authorized to charge payment of any additional application processing fees under 37 CFR §1.17 associated with this communication or to credit any overpayment to Deposit Account No. 06-1382.

The undersigned is: [X] an attorney of record

[] acting under 37 CFR §1.34.

Please direct all telephone calls to the undersigned at telephone number (269) 381-1156.

Respectfully submitted,

FLYNN, THIEL, BOUTELL & TANIS, P.C.

Terryepce F. Chapman

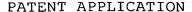
Reg. No. 32 549

TFC/smd

Encl: Listed above

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IN THE U.S. PATENT AND TRADEMARK OFFICE December 1, 2008

Applicants: Takashi DATE et al

For: THERMALLY-SENSITIVE RECORDING MATERIAL

Serial No.: 10/551 675 Group: 1794

Confirmation No.: 5519

Filed: September 29, 2005 Examiner: Hess

International Application No.: PCT/JP2004/004667

International Filing Date: March 31, 2004

Atty. Docket No.: 4364.P0013US

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450



LETTER TO EXAMINER

Sir:

This request for continued examination is being presented in order to enter further evidence of the unobviousness of the presently claimed invention. That is, Applicants are enclosing herewith a Declaration Under 37 CFR 1.132 in which additional test data is presented which compares a thermally sensitive recording medium according to the present invention with additional comparative recording mediums prepared according to the disclosure of Hata et al.

In the outstanding Office Action, the Examiner states that the type of silica is not the only variable in Example 1 and Comparative Example 3 and that it appears that twice as much acrylic polymer/silica is employed in Example 1 as in Comparative Example 3. To address the Examiner's concerns, Applicants have prepared additional test data in which the spherical colloidal silica content and the acrylic polymer content are increased. As can be seen by the results in the enclosed Declaration, in revised Comparative Examples 3' and 3", in which the amount of silica and acrylic polymer was increased closer to that of Example 1 of the present application, the water resistance, printing aptitude and dregs on a head were inferior to that of the present invention.

Additionally, the color developing sensitivity was also inferior to that of the present invention.

Enclosed herewith for the Examiner's benefit is a document providing technical information about the colloidal silica composite synthetic resin emulsion used in Hata et al. As pointed out previously, where the silica and acrylic polymer are present as a composite or complex body particle type in which colloidal silica surrounding an acryl polymer, are strongly bonded by a polymerization bond, when it is used as a binder for a thermally sensitive layer, fusing or contacting of the acryl polymers to each other is hindered due to the presence of the colloidal silica and the film-forming ability is reduced. On the other hand, in the present invention where the acryl particles and colloidal silica are not added in the form of a composite, the colloidal silica combines with the acryl particles weakly by absorption and do not obstruct film formation between the acryl particles. allows for the formation of a strong film so that the waterresistant property is improved along with the strength of the thermally sensitive recording layer and the printing aptitude. This is clearly unexpected in light of the prior art cited by the Examiner and establishes the patentability of the presently claimed invention thereover. Favorable consideration is respectfully solicited.

Respectfully submitted,

Terryence F. Chapman

TFC/smd

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Encl: Declaration Under 37 CFR 1.132 Clariant Technical Brochure